

Amendments to the Claims

The listing of claims below will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-520. (Canceled)

521. (Previously presented) An apparatus for cutting a tubular member, comprising:
a support member;

 a plurality of movable cutting elements coupled to the support member;

 an actuator coupled to the support member for moving the cutting elements between a
 first position and a second position; and

 a sensor coupled to the support member for sensing the internal diameter of the tubular
 member;

wherein in the first position, the cutting elements do not engage the tubular member;

wherein in the second position, the cutting elements engage the tubular member; and

wherein the sensor prevents the cutting elements from being moved to the second

 position if the internal diameter of the tubular member is less than a
predetermined value.

522. (Previously presented) The apparatus of claim 521, wherein the cutting
elements comprise:

 a first set of cutting elements;

 a second set of cutting elements; and

 wherein the first set of cutting elements are interleaved with the second set of cutting
 elements.

523. (Previously presented) The apparatus of claim 522, wherein in the first position, the
first set of cutting elements are not axially aligned with the second set of cutting elements.

524. (Previously presented) The apparatus of claim 522, wherein in the second position, the first set of cutting elements are axially aligned with the second set of cutting elements.

525. (Previously presented) An apparatus for gripping a tubular member, comprising:
a plurality of movable gripping elements;
wherein the gripping elements are moveable from a first position to a second position;
wherein in the first position, the gripping elements do not engage the tubular member; wherein in the second position, the gripping elements do engage the tubular member; and wherein, during the movement from the first position to the second position, the gripping elements move in a radial and an axial direction.

526. (Previously presented) The apparatus of claim 525, wherein, in a first axial direction, the gripping device grips the tubular member; and wherein, in a second axial direction, the gripping device does not grip the tubular member.

527. (Previously presented) The apparatus of claim 525, further comprising an actuator for moving the gripping elements.

528. (Previously presented) The apparatus of claim 525, wherein the gripping elements comprise:
a plurality of separate and distinct gripping elements.

529.-579. (Canceled)

580. (Previously presented) A method of radially expanding and plastically deforming a tubular member, comprising:
positioning the tubular member within a preexisting structure;

radially expanding and plastically deforming a lower portion of the tubular member
to form a bell section;
radially expanding and plastically deforming a portion of the tubular member above the
bell section;
cutting off an end of the expandable tubular member; and
removing the cut off end of the expandable tubular member from the preexisting
structure.

581. (Previously presented) A method of cutting a tubular member,
comprising:

positioning a plurality of cutting elements within the tubular member; and
bringing the cutting elements into engagement with the tubular member,

582. (Previously presented) The method of claim 581, wherein the cutting
elements comprise:

a first group of cutting elements; and
a second group of cutting elements;
wherein the first group of cutting elements are interleaved with the second group of
cutting elements.

583. (Previously presented) The method of claim 581, wherein bringing the cutting elements
into engagement with the tubular member comprises: bringing the cutting elements into axial
alignment.

584. (Previously presented) The method of claim 583, wherein bringing the cutting elements
into engagement with the tubular member further comprises: pivoting the cutting elements.

585. (Previously presented) The method of claim 583, wherein bringing the cutting
elements into engagement with the tubular member further comprises:

translating the cutting elements,

586. (Previously presented) The method of claim 583, wherein bringing the cutting elements into engagement with the tubular member further comprises:

pivoting the cutting elements; and
translating the cutting elements.

587. (Previously presented) The method of claim 581, wherein bringing the cutting elements into engagement with the tubular member comprises: rotating the cutting elements about a common axis,

588. (Previously presented) The method of claim 581, wherein bringing the cutting elements into engagement with the tubular member comprises:

pivoting the cutting elements about corresponding axes;
translating the cutting elements; and
rotating the cutting elements about a common axis.

589. (Previously presented) The method of claim 581, further comprising:

preventing the cutting elements from coming into engagement with the tubular member
if the inside diameter of the tubular member is less than a predetermined value,

590. (Previously presented) The method of claim 589, wherein preventing the cutting elements from coming into engagement with the tubular member if the inside diameter of the tubular member is less than a predetermined value comprises:

sensing the inside diameter of the tubular member.

591.-593. (Canceled)

594. (Previously presented) An apparatus for radially expanding and plastically deforming an expandable tubular member, comprising:

- a support member;
- a cutting device for cutting the tubular member coupled to the support member;
- a gripping device for gripping the tubular member coupled to the support member;
- a sealing device for sealing an interface with the tubular member coupled to the support member;
- a locking device for locking the position of the tubular member relative to the support member;
- a first adjustable expansion device for radially expanding and plastically deforming the tubular member coupled to the support member;
- a second adjustable expansion device for radially expanding and plastically deforming the tubular member coupled to the support member;
- a packer coupled to the support member; and
- an actuator for displacing one or more of the sealing assembly, first and second adjustable expansion devices, and packer relative to the support member.

595. (Canceled)

596. (Previously presented) An apparatus for controlling a packer, comprising:

- a tubular support member;
- one or more drag blocks releasably coupled to the tubular support member; and a tubular stinger coupled to the tubular support member for engaging the packer.

597.-603. (Canceled)

604. (Previously presented) A method of radially expanding and plastically deforming a tubular member, comprising:

applying internal pressure simultaneously to the inside surface of the tubular member
at a plurality of discrete locations separated from one another.

605.-611. (Canceled)

612. (Previously presented) A system of radially expanding and plastically deforming
a tubular member, comprising:
a support member; and
means for applying internal pressure simultaneously to the inside surface of the tubular
member at a plurality of discrete location separated from one another coupled to
the support member.

613. (Canceled)

614. (Previously presented) A system for cutting a tubular member, comprising:
means for positioning a plurality of cutting elements within the tubular member;
and means for bringing the cutting elements into engagement with the tubular member.

615. (Canceled)